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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/780,730	02/19/2004	Bart Maximus	MAXI3001/JEK	3292		
23364	7590 06/13/2005		EXAM	EXAMINER		
BACON & THOMAS, PLLC			KOVAL, M	KOVAL, MELISSA J		
625 SLATERS LANE FOURTH FLOOR			ART UNIT	PAPER NUMBER		
ALEXANDRIA, VA 22314			2851			
			DATE MAILED: 06/13/200	5		

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary		Applicati	on No.	Applicant(s)	Ψ		
		10/780,7	30	MAXIMUS, BART			
		Examine	r	Art Unit			
		Melissa J		2851			
Period fo	The MAILING DATE of this communic or Reply	cation appears on th	e cover sheet witi	h the correspondence addr	ess		
THE - Exte after - If the - If NO - Failu Any	ORTENED STATUTORY PERIOD FO MAILING DATE OF THIS COMMUNIO nsions of time may be available under the provisions of SIX (6) MONTHS from the mailing date of this community of the provided for reply specified above, the maximum state of the provided for reply within the set or extended period for reply wreply received by the Office later than three months after the patent term adjustment. See 37 CFR 1.704(b).	CATION. If 37 CFR 1.136(a). In no exprint the stautory period will apply and vitil, by statute, cause the apply.	vent, however, may a rep tutory minimum of thirty vill expire SIX (6) MONT plication to become ABA	ply be timely filed (30) days will be considered timely. HS from the mailing date of this com NDONED (35 U.S.C. § 133).	munication.		
Status	•						
1)	Responsive to communication(s) filed	d on .					
,	•	-	∑ This action is non-final.				
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposit	ion of Claims						
5)□ 6)⊠ 7)⊠	Claim(s) <u>1-7</u> is/are pending in the app 4a) Of the above claim(s) is/are Claim(s) is/are allowed. Claim(s) <u>1-6</u> is/are rejected. Claim(s) <u>7</u> is/are objected to. Claim(s) are subject to restrict	e withdrawn from co					
Applicat	ion Papers						
10)⊠	The specification is objected to by the The drawing(s) filed on <u>19 February 2</u> Applicant may not request that any object Replacement drawing sheet(s) including The oath or declaration is objected to	2004 is/are: a) \boxtimes action to the drawing(s) the correction is requi	be held in abeyand red if the drawing(s	ce. See 37 CFR 1.85(a). s) is objected to. See 37 CFF	t 1.121(d).		
Priority	under 35 U.S.C. § 119						
a)	Acknowledgment is made of a claim f All b) Some * c) None of: 1. Certified copies of the priority of 2. Certified copies of the priority of 3. Copies of the certified copies of application from the Internation See the attached detailed Office action	documents have be documents have be of the priority docum nal Bureau (PCT Ru	en received. en received in Ap nents have been i ule 17.2(a)).	oplication No received in this National S	tage		
2) Noti 3) Info	nt(s) ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (Promation Disclosure Statement(s) (PTO-1449 or ler No(s)/Mail Date		Paper No(s	ummary (PTO-413))/Mail Date formal Patent Application (PTO- 	152)		

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DETAILED ACTION

Claim Objections

Claim 2 is objected to because the phrase "LCD and/or LCoS" suggest two possible embodiments. The examiner is interpreting the claims to read

- LCD or LCoS - -.

Claims 4 and 5 are objected to because the phrase "whereby it is used", as set forth in each of the claims, is unclear. The examiner is not sure if "it" refers to the method or some other element or elements set forth in claim 1.

Claim 6 is objected to because it depends from a method claim but reads more like an apparatus claim as it does not define further method steps.

Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-6 are rejected under 35 U.S.C. 102(b) as being anticipated by Dehmlow U.S.

Patent 6,473,240 B1.

See Figure 3 of Dehmlow '240 B1, for example.

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Claim 1 sets forth: "A method for transmitting signals in a projection system, including the step of transmitting signals to two or more projection elements (See first projection optics 118 and second projection optics 128.), which projection elements are each used for projecting a plurality of colors (See first light source 110 and first liquid crystal cell 114. See second light source 120 and second liquid crystal cell 314.), with at least one of these projection elements having different polarization state for at least one of the colors projected by the respective projection element (See half wave retarder 312 associated with second projection optics 128.), wherein the signals, supplied to said projection elements for one more colors, are swapped order result in desired polarization for each of the respective colors." See column 4, lines 11 through 23.

Claim 2 sets forth: "The method according to claim 1 whereby it is applied in combination with projection consisting of LCD and/or LCOS projectors."

Claim 3 sets forth: "The method according to claim 1, wherein a signal synchronization takes place." See column 3, lines 38 through 46. The examiner interprets signal synchronization to read on the word "manipulation" found in '240 B1.

Claim 4 sets forth: "The method according to claim 1, whereby it is used combination with retarders, more particularly, retardation foils to provide in the required polarization directions for projecting the images." Again refer to half wave retarder 312.

Claim 5 sets forth: "The method according to claim 1, whereby it is used for a stereo projection." See avionics sensor/display driver 240 and column 3, lines 38 through 46. Also consider the embodiment described with respect to column 3, lines 7 through 14.

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Claim 6 sets forth: "A projection system, wherein said system comprises electronic and optical devices which apply the method according to any of the preceding claims." Please note that the functional language recited after "wherein" in the claims does not define any structure and does not further limit the claims. Apparatus claims must be structurally distinguishable from the prior art (MPEP 2114).

Allowable Subject Matter

Claim 7 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter: The prior art of record neither shows nor suggests all of the elements of claim 7, in combination, and particularly:

"one signal synchronisation and colors swapping unit (1), or more of these units, in which some of the output colors are swapped, agreeing to the color or colors that have different polarization state the target LCD or LCOS projectors; and

two substantially broadband halfwave or quarterwave retarder foils (9) applied inside or outside of the two LCD LCOS projectors."

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

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Greenberg et al. U.S. Patent 6,886,943 B1 teaches a high-resolution projection display system.

Hamada et al. U.S. Patent 6,899,429 B2 teaches optical process unit image generation system using the same and optical process method of the same.

Larson U.S. Patent 5,564,810 teaches full color stereoscopic display with color multiplexing.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Melissa J. Koval whose telephone number is (571) 272-2121. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Judy Nguyen can be reached on (571) 272-2258. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MJK